

Mallinckrodt®



EXCLUSIVE, NEW

tube caddy

Molded entirely of polypropylene so it will never corrode or rust, yet it can be autoclaved at 121° C.

This sturdy plastic CADDY treats tubes gently... protects them from being scratched or marred... cushions them against impact.

Support holes in bottom shelf are open so tubes will not seal or stick in a water bath. Molded end handles make it a convenient tote tray.

72-tube caddy holds 10-13mm. diameter test tubes. Length 9 $\frac{3}{8}$ " ; width 4 $\frac{3}{8}$ " ; height 4 $\frac{3}{8}$ " .

40-tube caddy holds 20 mm. diameter test tubes. Length 10 $\frac{3}{8}$ " ; width 4 $\frac{3}{8}$ " ; height 5" .

Mallinckrodt.

**MALLINCKRODT CHEMICAL WORKS
SCIENCE PRODUCTS DIVISION
2nd & Mallinckrodt Sts. St. Louis, Mo. 63160**

ORDER WITH THIS FORM NOW!

No. of Cases		Case Price
	72-tube caddy, 4 to case (P613-0072)	\$18.00
	40-tube caddy, 4 to case (P613-0040)	\$18.00

Price includes shipping charges to USA destination.

☐ Check enclosed ☐ Bill us Order No. _____
☐ Send quantity price information

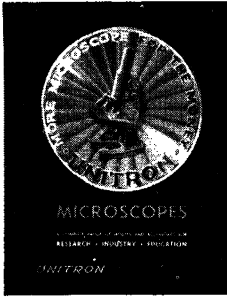
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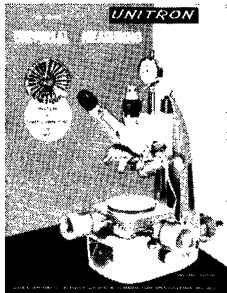
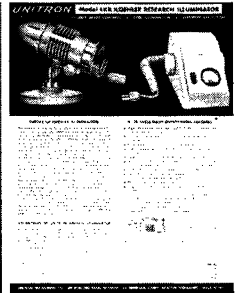
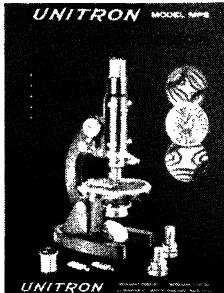
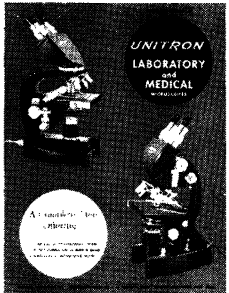
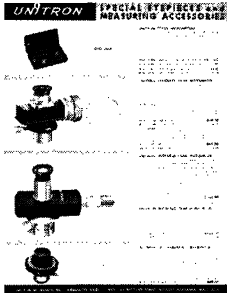
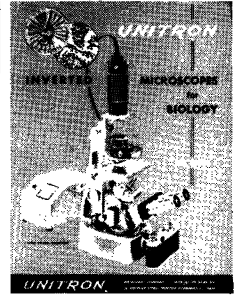
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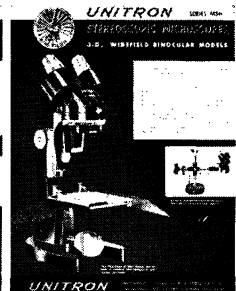
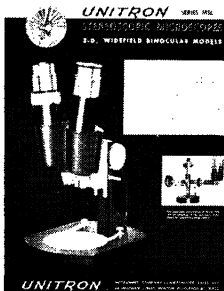
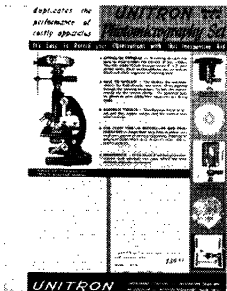
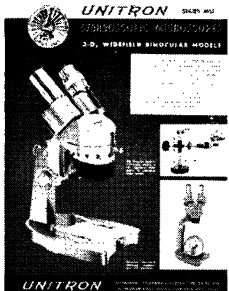
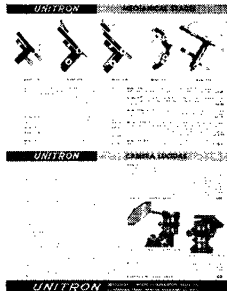
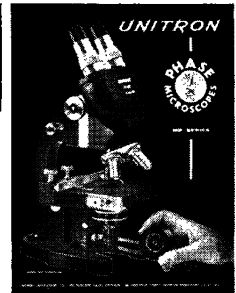
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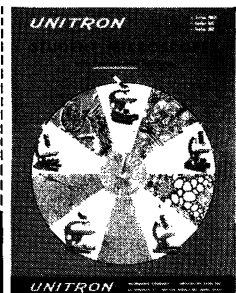
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Methods for Numerical Taxonomy

W. R. Lockhart and John Liston, *Editors*

The wide application of numerical methods to the study of bacterial classification during recent years has resulted in an almost bewildering variety of new techniques. The authors have drawn from the literature and from their own experience in producing this useful volume which describes some frequently used experimental methods. Without dwelling too much on underlying theoretical and philosophical arguments, they offer practical advice that should help students and workers unfamiliar with this field to evaluate the published results of others, and to select techniques applicable to their own work. Though intended primarily for microbiologists, the book should prove useful to anyone interested in numerical approaches to classification.

This small but important volume (58 pages plus index, paperbound) was prepared by the Taxonomy Committee (Subcommittee on Numerical Taxonomy) of ASM. The book comprises the following chapters:

- Introduction (John Liston)
- Collecting the Data (R. R. Colwell)
- Coding the Data (W. R. Lockhart)
- Analyzing the Data (C. Quadling)
- Presenting and Interpreting the Results (E. F. Lessel and J. G. Holt)

Available at \$3 per copy from:

Publications Office
American Society for Microbiology
4715 Cordell Ave.
Bethesda, Md. 20014

E. coli

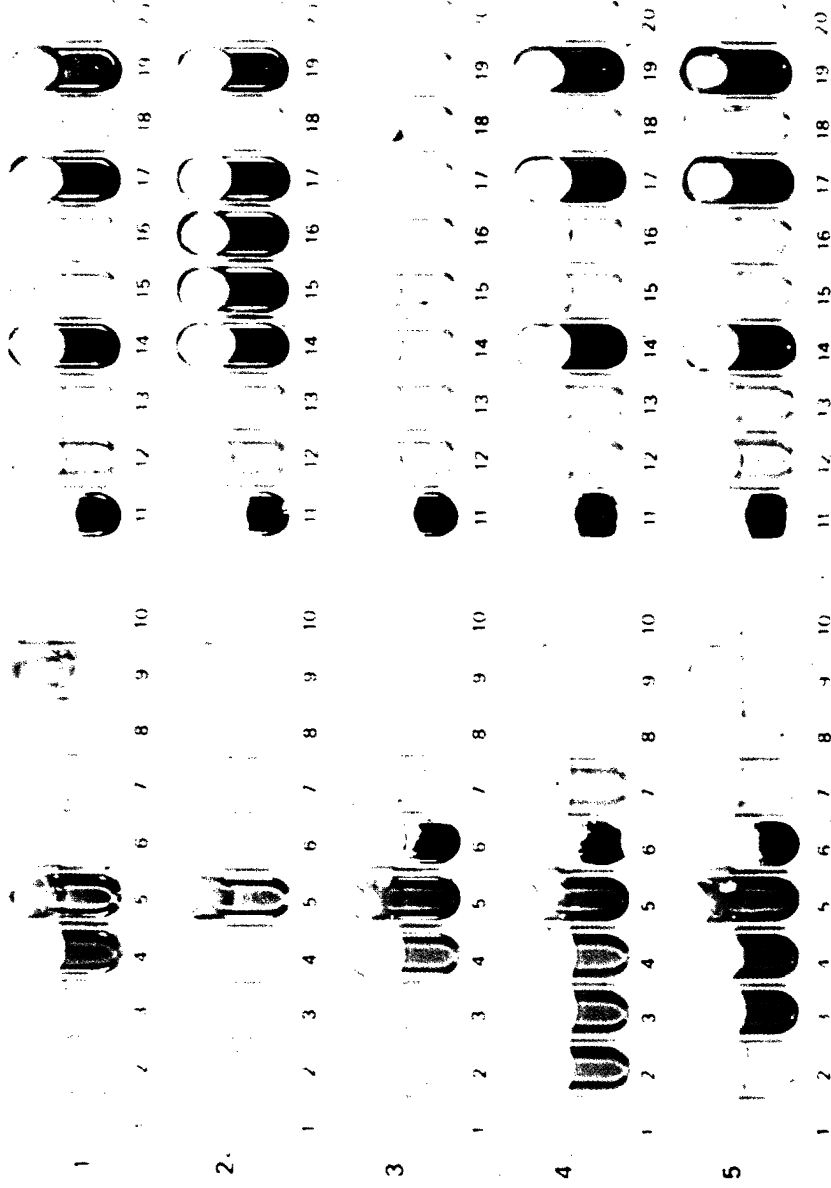
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Many suggestions for a less extensive version of this procedure have been received, and we are now pleased to announce the availability of a ten-test system utilizing tests 1 thru 10.

The system is stable at room temperature, requires little storage space, is ready to use, and provides clear-cut, easy-to-read reactions.

TEST	POS.	NEG.	TEST	POS.	NEG.
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2 Arginine	Red	Yellow	12 Glucose*	Yellow	Blue-Green
3 Lysine	Red	Yellow	13 Mannitol	Yellow	Blue-Green
4 Ornithine	Red	Yellow	14 Inositol	Yellow	Blue-Green
5 Citrate	Blue	Green	15 Sorbitol	Yellow	Blue-Green
6 H ₂ S	Black	Clear	16 Rhamnose	Yellow	Blue-Green
7 Urea	Red	Yellow	17 Saccharose	Yellow	Blue-Green
8 Tryptophane	Brown	Yellow	18 Melibiose	Yellow	Blue-Green
9 Indole	Red	Yellow	19 Amygdaline	Yellow	Blue-Green
10 Voges-Proskauer	Red	Clear-Pink	20 Arabinose	Yellow	Blue-Green

*Nitrate reduction test may also be performed in this tube.



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FIGHT BACTERIAL AIR POLLUTION!



No. 2C861 pulls air through open front and exhausts it through an electrically sterilized filter.

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Various Models

3 ft. and 6 ft. Sizes

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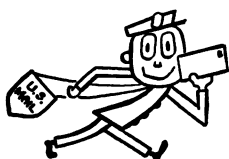
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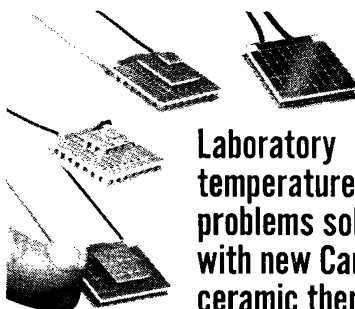
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Bacto - Thiol Broth, in Blood Culture Bottles, is a stable medium having the advantage of inactivating all expected levels of penicillins, sulfonamides and streptomycin in the blood and other body fluids. Eliminates the need to add penicillinase or PABA to the culture medium.

Bacto - Thiol Broth will support the growth of fastidious organisms including *Brucella*, *Listeria* and *Vibrio fetus*.

Difco Blood Culture Bottles are available with three media in addition to Thiol:

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All units prepared with CO₂, under vacuum, sterile, with pliable flat-top stopper for easier cleaning and sterilizing for re-entry. Ready to use for aerobic or anaerobic cultures. Bottles may be ordered separately or in sets that include sterile blood collector.